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<input type="checkbox"/>	L11	L10 and I9	9
<input type="checkbox"/>	L10	(indoor near3 outdoor) same (filter\$3 or equaliz\$3)	863
<input type="checkbox"/>	L9	(375/130.ccls. or 375/140.ccls. or 375/141.ccls. or 375/144.ccls. or 375/146.ccls. or 375/147.ccls. or 375/148.ccls. or 370/335.ccls. or 370/341.ccls. or 370/441.ccls.)	5197
<input type="checkbox"/>	L8	(375/130.ccls. or 375/140.ccls. or 375/141.ccls. or 375/144.ccls. or 375/146.ccls. or 375/147.ccls. or 375/148.ccls. or 375/285.ccls. or 375/346.ccls. or 375/350.ccls. or 375/295.ccls. or 375/316.ccls. or 375/296.ccls.)	11650
<input type="checkbox"/>	L7	(375/130.ccls. or 375/140.ccls. or 375/141.ccls. or 375/144.ccls. or 375/146.ccls. or 375/147.ccls. or 375/148.ccls. or 375/285.ccls. or 375/346.ccls. or 375/350.ccls. or 375/295.ccls. or 375/316.ccls. or 375/296.ccls.)	11650
<input type="checkbox"/>	L6	L5 and (I2 or I4)	44
<input type="checkbox"/>	L5	@ad<=20030711	24403310
<input type="checkbox"/>	L4	((indoor) same outdoor same (uwb or (ultra near wide near2 band\$))) and (filter\$3 or equaliz\$3)	27
<input type="checkbox"/>	L3	(indoor) same outdoor same (uwb or (ultra near wide near2 band\$))	40
<input type="checkbox"/>	L2	((dual or multi\$5 or plural\$3) near2 mode\$) same (uwb or (ultra near wide near2 band\$))	98
<input type="checkbox"/>	L1	((dual or multipl\$3 or plural\$3) near2 mode\$) same (uwb or (ultra near wide near2 band\$))	63

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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L8	(((dual or multi\$5) near3 mode) same (uwb or (ultra near2 wide near2 band\$))) and (indoor\$ near6 outdoor\$)	12
<input type="checkbox"/>	L7	L6 not l4	7
<input type="checkbox"/>	L6	L5 and l3	36
<input type="checkbox"/>	L5	(((dual or multi\$5) near3 mode) same (uwb or (ultra near2 wide near2 band\$)))	89
<input type="checkbox"/>	L4	L3 and l2	29
<input type="checkbox"/>	L3	@ad<=20030711	24403310
<input type="checkbox"/>	L2	(((dual or multi\$5) near3 mode) same (uwb or (ultra near2 wide near2 band\$))) and (filter\$3 or equaliz\$3)	76
<input type="checkbox"/>	L1	((dual or multi\$5) near3 mode) same (uwb or (ultra near2 wide near2 band\$)) same (filter\$3 or equaliz\$3)	3

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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L18	(L17 or l16) and l9	26
<input type="checkbox"/>	L17	(uwb or (ultra near2 wide near2 band)) and ((widen\$3) near3 (band\$))	58
<input type="checkbox"/>	L16	(uwb or (ultra near2 wide near2 band)) and ((enlarg\$3) near3 (band\$))	12
<input type="checkbox"/>	L15	(uwb or (ultra near2 wide near2 band)) and ((enlarg\$3) near3 (equaliz\$3 or filter\$))	9
<input type="checkbox"/>	L14	(uwb or (ultra near2 wide near2 band)) and ((enlarg\$3) near3 (equaliz\$3 or filter\$)) and indoor and outdoor	0
<input type="checkbox"/>	L13	(uwb or (ultra near2 wide near2 band)) same ((enlarg\$3) near3 (equaliz\$3 or filter\$)) same indoor same outdoor	0
<input type="checkbox"/>	L12	(uwb or (ultra near2 wide near2 band)) same ((enlarg\$3) near2 (equaliz\$3 or filter\$)) same indoor same outdoor	0
<input type="checkbox"/>	L11	L9 and l7	32
<input type="checkbox"/>	L10	L9 and l8 and l7	0
<input type="checkbox"/>	L9	@ad<=20030711	24403310
<input type="checkbox"/>	L8	375/130.ccls. or 375/140.ccls. or 375/141.ccls. or 375/144.ccls. or 375/146.ccls. or 375/147.ccls. or 375/148.ccls. or 375/285.ccls. or 375/346.ccls. or 375/350.ccls. or 375/295.ccls. or 375/316.ccls. or 375/296.ccls.	11650
<input type="checkbox"/>	L7	((outdoor) near2 (equaliz\$3 or filter\$)) and ((indoor) near2 (equaliz\$3 or filter\$))	43
<input type="checkbox"/>	L6	(uwb or (ultra near2 wide near2 band)) and ((outdoor) near2 (equaliz\$3 or filter\$)) and ((indoor) near2 (equaliz\$3 or filter\$))	1
<input type="checkbox"/>	L5	(uwb or (ultra near2 wide near2 band)) and ((outdoor) near2 filter) and ((indoor) near2 filter)	1
<input type="checkbox"/>	L4	(uwb or (ultra near2 wide near2 band)) and ((out adj door) near2 filter) and ((in adj door) near2 filter)	0
<input type="checkbox"/>	L3	(uwb or (ultra near2 wide near2 band)) and ((out adj door) near2 filter) and ((in adj door) near2 filter) and (imag\$3 near (reject\$3 or filter\$3))	0
<input type="checkbox"/>	L2	(uwb or (ultra near2 wide near2 band)) same ((out adj door) near2 filter) same ((in adj door) near2 filter) same (imag\$3 near (reject\$3 or filter\$3))	0
<input type="checkbox"/>	L1	(uwb or (ultra near2 wide near2 band)) same ((out adj door) near2 filter) same ((in adj door) near2 filter) same (imag\$3 near (reject or filter\$3))	0

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» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. **Angle-of-Arrival Estimation for UWB Signals Clustered in Angle**
Yong Up Lee; Yeoungjun Seo; Ginkyu Choi;
[Wireless Pervasive Computing, 2006 1st International Symposium on](#)
16-18 Jan. 2006 Page(s):1 - 4
Digital Object Identifier 10.1109/ISWPC.2006.1613581
[AbstractPlus](#) | Full Text: [PDF\(352 KB\)](#) IEEE CNF
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- ☐ 2. **A comprehensive model for ultrawideband propagation channels**
Molisch, A.F.; Balakrishnan, K.; Cassioli, D.; Chia-Chin Chong; Emami, S.; For
Kunisch, J.; Schantz, H.; Siwiak, K.;
[Global Telecommunications Conference, 2005. GLOBECOM '05. IEEE](#)
Volume 6, 28 Nov.-2 Dec. 2005 Page(s):6 pp.
Digital Object Identifier 10.1109/GLOCOM.2005.1578452
[AbstractPlus](#) | Full Text: [PDF\(316 KB\)](#) IEEE CNF
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- ☐ 3. **Planar half-disk antenna structures for ultra-wideband communications**
Taeyoung Yang; Davis, W.A.;
[Antennas and Propagation Society International Symposium, 2004. IEEE](#)
Volume 3, 20-25 June 2004 Page(s):2508 - 2511 Vol.3
Digital Object Identifier 10.1109/APS.2004.1331883
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- ☐ 4. **A UWB impulse surface penetrating radar system for pavement evaluatio**
Wentai Lei; Yi Su; Chunlin Huang; Liye Liu;
[Ultrawideband and Ultrashort Impulse Signals, 2004 Second International Wor](#)
19-22 Sept. 2004 Page(s):195 - 197
Digital Object Identifier 10.1109/UWBUS.2004.1388099
[AbstractPlus](#) | Full Text: [PDF\(714 KB\)](#) IEEE CNF
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- ☐ 5. **Capacity of M-ary PAM impulse radio with various derivatives of Gaussia**
to FCC spectral masks
Tao Wang; Yong Wang;
[Computers and Communications, 2004. Proceedings. ISCC 2004. Ninth Intern](#)
[Symposium on](#)

Volume 2, 28 June-1 July 2004 Page(s):696 - 701 Vol.2

[AbstractPlus](#) | Full Text: [PDF\(650 KB\)](#) IEEE CNF
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6. Characterization of the ultra-wideband channel

Buehrer, R.M.; Davis, W.A.; Safaai-Jazi, A.; Sweeney, D.;
[Ultra Wideband Systems and Technologies, 2003 IEEE Conference on](#)
16-19 Nov. 2003 Page(s):26 - 31
Digital Object Identifier 10.1109/UWBST.2003.1267796

[AbstractPlus](#) | Full Text: [PDF\(488 KB\)](#) IEEE CNF
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7. Wireless ultra wideband communications using radio over fiber

Wah, M.Y.; Chia Yee; Ming Li Yee;
[Ultra Wideband Systems and Technologies, 2003 IEEE Conference on](#)
16-19 Nov. 2003 Page(s):265 - 269
Digital Object Identifier 10.1109/UWBST.2003.1267845

[AbstractPlus](#) | Full Text: [PDF\(410 KB\)](#) IEEE CNF
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8. Radio frequency-based personnel location systems

Christ, R.; Lavigne, R.;
[Security Technology, 2000. Proceedings. IEEE 34th Annual 2000 International Conference on](#)
23-25 Oct. 2000 Page(s):141 - 150
Digital Object Identifier 10.1109/CCST.2000.891180

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outdoor*))<in>metadata)

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- #1 (((uwb <or> (ultra <near/2> wide <near/2> band)) <and> ((outdoor) <near/2> filter*) <and> ((indoor*) <near/2> filter*)) <in>metadata)
- #2 (((uwb <or> (ultra <near/2> wide <near/2> band)) <and> ((outdoor) <near/2> equaliz*) <and> ((indoor*) <near/2> equaliz*)) <in>metadata)
- #3 (((uwb <or> (ultra <near/2> wide <near/2> band)) <and> ((outdoor*) <near/3> filter*) <and> ((indoor*) <near/3> filter*)) <in>metadata)
- #4 (((outdoor*) <near/3> filter*) <and> ((indoor*) <near/3> filter*)) <in>metadata)
- #5 (((uwb <or> (ultra <near/2> wide <near/2> band)) <and> ((outdoor*) <near/3> equaliz*) <and> ((indoor*) <near/3> equaliz*)) <in>metadata)

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Inventor Information for 10/616840

Inventor Name	City	State/Country
MIAO, GEORGE J.	MARLBORO	NEW JERSEY

Appln Info	Contents	Petition Info	Atty/Agent Info	Continuity/Reexam	Foreign
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Inventor Name Search Result

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Last Name = MIAO

First Name = GEORGE

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10200961	6744832	150	07/23/2002	ANALOG-TO-DIGITAL CONVERTER BANK BASED ULTRA WIDEBAND COMMUNICATIONS	MIAO, GEORGE J.
10223961	Not Issued	168	08/20/2002	Digital transmission filters for ultra wideband communications	MIAO, GEORGE J.
10283732	Not Issued	161	10/30/2002	Digital shaped gaussian monocycle pulses in ultra wideband communications	MIAO, GEORGE J.
10323025	Not Issued	71	12/18/2002	Decision-feedback equalizer	MIAO, GEORGE J.
10614139	Not Issued	41	07/07/2003	Multichannel filter for outdoor handheld ultra wideband communications	MIAO, GEORGE J.
10614366	Not Issued	41	07/07/2003	Spread spectrum based multichannel modulation for ultra wideband communications	MIAO, GEORGE J.
10616840	Not Issued	30	07/10/2003	Dual-mode transceiver for indoor and outdoor ultra wideband communications	MIAO, GEORGE J.
10618876	7046716	150	07/14/2003	DUAL-MODE ULTRA WIDEBAND AND WIRELESS LOCAL AREA NETWORK COMMUNICATIONS	MIAO, GEORGE J.
10624999	Not Issued	30	07/22/2003	Multiband ultra wideband communications	MIAO, GEORGE J.
10634396	Not Issued	41	08/05/2003	Multiband OFDM for ultra wideband communications	MIAO, GEORGE J.
10643302	Not Issued	30	08/19/2003	Multiuser DSSS-OFDM multiband for ultra wideband communications	MIAO, GEORGE J.
10653651	Not Issued	30	09/02/2003	MIMO-based multiuser OFDM multiband for ultra wideband communications	MIAO, GEORGE J.

10667039	Not Issued	30	09/22/2003	Multiband MIMO-based 3G W-CDMA and UWB communications	MIAO, GEORGE J.
10748783	Not Issued	95	12/29/2003	MULTIMODE AND MULTIBAND MIMO TRANSCEIVER OF W-CDMA, WLAN AND UWB COMMUNICATIONS	MIAO, GEORGE J.
10793978	Not Issued	30	03/05/2004	Square root raised cosine symmetric filter for mobile telecommunications	MIAO, GEORGE J.
10822252	7091854	150	04/09/2004	MULTIPLE-INPUT MULTIPLE-OUTPUT WIRELESS SENSOR NETWORKS COMMUNICATIONS	MIAO, GEORGE J.
10837809	7002470	150	05/03/2004	WIRELESS UWB-BASED SPACE-TIME SENSOR NETWORKS COMMUNICATIONS	MIAO, GEORGE J.
10859777	Not Issued	41	06/03/2004	Dual-mode wireless/wired power line communications	MIAO, GEORGE J.
09429058	6731706	150	10/29/1999	SQUARE ROOT RAISED COSINE SYMMETRIC FILTER FOR MOBILE TELECOMMUNICATIONS	MIAO, GEORGE J.
09467487	6650688	150	12/20/1999	CHIP RATE SELECTABLE SQUARE ROOT RAISED COSINE FILTER FOR MOBILE TELECOMMUNICATIONS	MIAO, GEORGE J.
09467611	Not Issued	121	12/20/1999	DUAL MODE FILTER FOR MOBILE TELECOMMUNICATIONS	MIAO, GEORGE J.

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